

| Ref # | Hits | Search Query  | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|------|---|-----------------|------------------|---------|------------------|
| L1    | 25   | 348/335,345.ccls. and solenoid  | US-PGPUB; USPAT | OR               | ON      | 2005/05/20 13:47 |
| L2    | 89   | 396/72-88,103,111,131,133-136, 144,529-533.ccls. and solenoid               | US-PGPUB; USPAT | OR               | ON      | 2005/05/20 13:47 |
| L3    | 2672 | 396/72-88,103,111,131,133-136, 144,529-533.ccls.                            | US-PGPUB; USPAT | OR               | ON      | 2005/05/20 13:46 |
| L4    | 941  | 348/335,345.ccls.   | US-PGPUB; USPAT | OR               | ON      | 2005/05/20 13:47 |
| S1    | 223  | 348/374.ccls.   | US-PGPUB; USPAT | OR               | ON      | 2005/05/20 13:41 |
| S2    | 314  | 348/345.ccls.   | US-PGPUB; USPAT | OR               | ON      | 2004/07/27 20:08 |
| S3    | 9    | 348/345.ccls. and solenoid  | US-PGPUB; USPAT | OR               | ON      | 2004/07/27 20:09 |
| S4    | 11   | 348/335.ccls. and solenoid  | US-PGPUB; USPAT | OR               | ON      | 2004/07/27 20:10 |
| S5    | 40   | 348/373-376.ccls. and solenoid  | US-PGPUB; USPAT | OR               | ON      | 2004/07/27 20:14 |
| S6    | 6    | two adj zone with (auto\$5 adj focus AF)                                    | US-PGPUB; USPAT | OR               | ON      | 2004/07/27 20:16 |
| S7    | 9    | 396/79-83.ccls. and solenoid  | US-PGPUB; USPAT | OR               | ON      | 2004/08/04 10:27 |
| S8    | 515  | (AF (auto atuomatic) adj focus) and solenoid and spring                     | US-PGPUB; USPAT | OR               | ON      | 2004/07/27 20:37 |
| S9    | 5    | (AF (auto atuomatic) adj focus) and solenoid same "near" same far           | US-PGPUB; USPAT | OR               | ON      | 2004/07/27 20:20 |
| S10   | 0    | (AF (auto atuomatic) adj focus) and solenoid same "near" same far           | EPO; JPO        | OR               | ON      | 2004/07/27 20:20 |
| S11   | 14   | (AF (auto atuomatic) adj focus) and solenoid                                | EPO; JPO        | OR               | ON      | 2004/07/27 20:20 |
| S12   | 393  | solid with step\$4 adj motor  | US-PGPUB; USPAT | OR               | ON      | 2004/07/27 20:24 |
| S13   | 2    | solid with step\$4 adj motor same (auto\$5 adj focus AF)                    | US-PGPUB; USPAT | OR               | ON      | 2004/07/27 20:24 |
| S14   | 2    | solenoid with step\$4 adj motor same (auto\$5 adj focus AF)                 | US-PGPUB; USPAT | OR               | ON      | 2004/07/27 20:25 |
| S15   | 84   | (AF (auto atuomatic) adj focus) same solenoid                               | US-PGPUB; USPAT | OR               | ON      | 2004/07/27 20:38 |
| S16   | 34   | (AF (auto atuomatic) adj focus) same solenoid and ("348".clas. "396".clas.) | US-PGPUB; USPAT | OR               | ON      | 2004/07/28 13:05 |

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| S17 | 1752 | "396".clas. and solenoid   | US-PGPUB;<br>USPAT | OR | ON | 2004/07/29 14:52 |
| S18 | 771  | "396".clas. and solenoid and<br>focus\$3   | US-PGPUB;<br>USPAT | OR | ON | 2004/07/29 14:52 |
| S19 | 26   | "396".clas. and solenoid and<br>focus\$3 with "near" with far  | US-PGPUB;<br>USPAT | OR | ON | 2004/07/29 14:58 |
| S20 | 76   | solenoid with step\$4 adj motor<br>same (cost\$3 expensive cheap\$4)   | US-PGPUB;<br>USPAT | OR | ON | 2004/07/29 14:59 |
| S21 | 2    | solenoid with step\$4 adj motor<br>same (cost\$3 expensive cheap\$4)<br>and ("348".clas. "396".clas.) and<br>(auto\$5 adj focus AF!) | US-PGPUB;<br>USPAT | OR | ON | 2004/07/29 15:03 |
| S22 | 16   | ("348".clas. "396".clas.) and<br>"near" same far same solenoid   | US-PGPUB;<br>USPAT | OR | ON | 2004/07/29 15:10 |
| S23 | 1    | "4910547".pn.  | US-PGPUB;<br>USPAT | OR | ON | 2004/07/29 15:23 |
| S24 | 3    | ("4504132"   "4509840"  <br>"4702583").PN.   | USPAT              | OR | ON | 2004/07/29 15:10 |
| S25 | 0    | "4910547".URPN.  | USPAT              | OR | ON | 2004/07/29 15:10 |
| S26 | 0    | "4920420".pn. and solenoid   | US-PGPUB;<br>USPAT | OR | ON | 2004/07/29 15:23 |
| S27 | 1    | "4920420".pn. and 17a  | US-PGPUB;<br>USPAT | OR | ON | 2004/07/29 15:23 |
| S28 | 6    | ("3617633"   "4370038"  <br>"4484806"   "4611244"  <br>"4706124"   "4745484").PN.  | USPAT              | OR | ON | 2004/07/29 15:25 |
| S29 | 15   | "4920420".URPN.  | USPAT              | OR | ON | 2004/07/29 15:25 |
| S30 | 103  | ("348".clas. "396".clas.) and<br>solenoid same step\$4 adj motor   | US-PGPUB;<br>USPAT | OR | ON | 2004/08/04 10:48 |
| S31 | 90   | solenoid with lens with focus  | US-PGPUB;<br>USPAT | OR | ON | 2004/08/04 11:05 |
| S32 | 241  | solenoid with focus  | US-PGPUB;<br>USPAT | OR | ON | 2004/08/04 11:05 |
| S33 | 3    | solenoid with focus same step\$4<br>adj motor  | US-PGPUB;<br>USPAT | OR | ON | 2004/08/04 11:10 |
| S34 | 43   | solenoid with (advantag\$4<br>cheap\$3 cost price) same step\$4<br>adj motor   | US-PGPUB;<br>USPAT | OR | ON | 2004/08/04 13:51 |
| S35 | 47   | solenoid with advantag\$5 with<br>step\$5  | US-PGPUB;<br>USPAT | OR | ON | 2004/08/04 13:57 |
| S36 | 8    | (solenoid adj5 step\$5) with<br>advantag\$5  | US-PGPUB;<br>USPAT | OR | ON | 2004/08/04 13:59 |
| S37 | 4    | (solenoid adj10 step\$5 adj motor)<br>with advantag\$5   | US-PGPUB;<br>USPAT | OR | ON | 2004/08/04 14:00 |
| S38 | 48   | solenoid and focus with lens   | EPO; JPO           | OR | ON | 2004/08/04 14:05 |

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| S39 | 13   | solenoid and focus and lens and spring  | EPO; JPO  | OR | ON | 2004/08/04 14:10 |
| S40 | 10   | solenoid and focus and lens and spring  | DERWENT   | OR | ON | 2004/08/04 14:13 |
| S41 | 40   | solenoid and lens and spring  | DERWENT   | OR | ON | 2004/08/04 14:13 |
| S42 | 15   | solenoid and lens and spring and camera   | DERWENT   | OR | ON | 2004/08/04 14:15 |
| S43 | 0    | solenoid near3 replac\$5 near3 step\$5 adj motor  | DERWENT   | OR | ON | 2004/08/04 14:16 |
| S44 | 6    | solenoid near3 replac\$5 near3 step\$5 adj motor  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT             | OR | ON | 2004/08/04 14:19 |
| S45 | 612  | ("348".clas. "396".clas.) and focus with zone   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT             | OR | ON | 2004/08/04 14:20 |
| S46 | 31   | ("348".clas. "396".clas.) and focus with zone and solenoid                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT             | OR | ON | 2004/08/04 14:56 |
| S47 | 2272 | ("348".clas. "396".clas.) and solenoid  | US-PGPUB;<br>USPAT                                      | OR | ON | 2004/08/05 17:12 |
| S48 | 646  | ("348".clas. "396".clas.) and solenoid same lens  | US-PGPUB;<br>USPAT                                      | OR | ON | 2004/08/05 17:12 |
| S49 | 13   | ("348".clas. "396".clas.) and solenoid same lens same "near" same far                   | US-PGPUB;<br>USPAT                                      | OR | ON | 2004/08/05 17:22 |
| S50 | 7    | ("RE27461"   "3185059"   "3443502"   "3479943"   "3618499"   "3736057"   "4065778").PN. | USPAT   | OR | ON | 2004/08/05 17:21 |
| S51 | 7    | "4148574".URPN.   | USPAT   | OR | ON | 2004/08/05 17:21 |
| S52 | 2    | ("near" adj focus with far adj focus) same solenoid                                     | US-PGPUB;<br>USPAT                                      | OR | ON | 2004/08/05 17:23 |
| S53 | 3    | ("near" adj focus same far adj focus) same solenoid                                     | US-PGPUB;<br>USPAT                                      | OR | ON | 2004/08/05 17:37 |
| S54 | 197  | solenoid same step\$4 adj motor same (cost cheap advantag\$5)                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/05 17:58 |
| S55 | 7    | solenoid same step\$4 adj motor same (cost cheap advantag\$5) same lens                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/05 18:01 |

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| S56 | 37   | solenoid with lens same step\$4 adj motor   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/05 18:06 |
| S57 | 5    | solenoid adj3 replac\$3 adj3 step\$4 adj motor  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/05 18:07 |
| S58 | 9    | step\$4 adj motor adj3 replac\$3 adj3 solenoid  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/05 18:08 |
| S59 | 755  | step\$4 adj motor adj3 solenoid   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/05 18:08 |
| S60 | 11   | step\$4 adj motor adj3 solenoid with (cost cheap\$3 advantag\$5)                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/05 18:10 |
| S61 | 13   | solenoid adj3 step\$4 adj motor with (cost cheap\$3 advantag\$5)                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/05 18:14 |
| S62 | 2794 | lens same solenoid  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/05 18:24 |
| S63 | 159  | lens same solenoid and step\$4 adj motor same solenoid                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/05 18:25 |
| S64 | 66   | lens same solenoid and step\$4 adj motor same solenoid and camera                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/05 18:25 |
| S65 | 42   | lens same solenoid and step\$4 adj motor same solenoid and ("348". clas. "396".clas.) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/05 18:25 |

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| S66      | 7    | lens same solenoid same focus and step\$4 adj motor same solenoid and ("348".clas. "396". clas.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/08/05 18:26 |
| S67      | 4    | benefit with solenoid with step\$5 with motor  | US-PGPUB; USPAT                             | OR | ON | 2004/08/05 19:11 |
| S68      | 4    | step\$5 with motor with benefit with solenoid  | US-PGPUB; USPAT                             | OR | ON | 2004/08/05 19:14 |
| S69      | 17   | advantag\$5 with step\$5 with motor with solenoid  | US-PGPUB; USPAT                             | OR | ON | 2004/08/05 19:18 |
| S70      | 3106 | solenoid.ti.   | US-PGPUB; USPAT                             | OR | ON | 2004/08/05 19:18 |
| S71      | 0    | solenoid.ti. and advantag\$5 with step\$4 adj motor  | US-PGPUB; USPAT                             | OR | ON | 2004/08/05 19:18 |
| S72      | 22   | solenoid.ti. and step\$4 adj motor   | US-PGPUB; USPAT                             | OR | ON | 2004/08/05 19:18 |
| S73      | 3    | solenoid.ti. and step\$4 adj motor with (benefit cost cheap\$3 advantag\$4 replace)              | US-PGPUB; USPAT                             | OR | ON | 2004/08/05 19:27 |
| S74      | 349  | 310/14.ccls.   | US-PGPUB; USPAT                             | OR | ON | 2004/08/05 19:27 |
| S75      | 83   | 310/14.ccls. and cost  | US-PGPUB; USPAT                             | OR | ON | 2004/08/05 19:28 |
| S76      | 3    | 310/14.ccls. and cost with step\$4 adj motor   | US-PGPUB; USPAT                             | OR | ON | 2004/08/05 19:29 |
| S77      | 54   | "310".clas. and solenoid same step\$4 adj motor  | US-PGPUB; USPAT                             | OR | ON | 2004/08/05 19:34 |
| S78      | 8    | "310".clas. and solenoid same lens   | US-PGPUB; USPAT                             | OR | ON | 2004/08/05 19:38 |
| S79      | 2238 | solenoid with step\$4 adj motor  | US-PGPUB; USPAT                             | OR | ON | 2004/08/05 19:39 |
| S80      | 25   | solenoid with step\$4 adj motor with lens  | US-PGPUB; USPAT                             | OR | ON | 2004/08/05 19:43 |
| S81      | 1    | solenoid with step\$4 adj motor with lens  | EPO; JPO                                    | OR | ON | 2004/08/05 19:43 |
| S82      | 3363 | stepp\$3 with solenoid   | US-PGPUB; USPAT                             | OR | ON | 2004/08/09 11:55 |
| S83      | 76   | stepp\$3 with solenoid same lens   | US-PGPUB; USPAT                             | OR | ON | 2004/08/09 13:07 |
| S10<br>9 | 344  | 396/73-78.ccls.  | US-PGPUB; USPAT                             | OR | ON | 2005/05/06 12:10 |
| S11<br>0 | 18   | 396/73-78.ccls. and solenoid   | US-PGPUB; USPAT                             | OR | ON | 2005/05/06 12:10 |